

# SAMPLE STATION DATA

INSTITUTE OF GEOLOGICAL SCIENCES - MARINE GEOLOGY UNIT

SAMPLE NO.

**F** **+59-01 102**  
 1 ± lat ± long no. 11

CRUISE NO.  
**82 WH 5**  
 year : ship : no 18

DATE  
**06 08**  
 mnth : day 22

TIME (local)  
**13 10**  
 hrs : mins 26

WATER DEPTH  
**12.4**  
 metres 30

POSITION FIXING METHOD **17** COMMENT  32

NAVIGATIONAL READINGS  
 (tick lanes with best intersection)

CHAIN RED  GREEN  PURPLE   
**6C** **E 44.22** **E 65.60**  
 LATITUDE <sup>41</sup> LONGITUDE <sup>48</sup> <sup>55</sup>

POSITION

**+59 59.00** **-00 21.70**  
 ± degs : mins (decimal) 63 ± degs : mins (decimal) 71

ADDITIONAL INFORMATION :

EQUIPMENT TYPE: 1 = sample recovered 3 = no sample (equipment failure)  
 2 = no sample (geological reasons) 4 = no sample (undifferentiated)

**G** dup cols 2-11 **1,1** T.D. metres **2.72**  
 1 12 22 32 50 55

SUMMARY SAMPLE DESCRIPTION : (Free text - max. 69 characters)

**H** dup cols 2-11 **SAND ON SANDY SHELLY GRAVEL ON RE**  
**D, D, I, S, H, - B, R, O, W, N, S, A, N, D, Y, M, U, D.**  
 1 12 20 30 40 50 60 70 80

GEOTECHNICAL DATA :

RAW DATA

PENETROMETER					HAND VANE			
Head	Readings				Head	Readings		
10/8	0.5	0.5	0.5		x2	1.9	2.0	
"	0.5	0.6	0.8	0.7	"	2.3	2.8	
"	0.8	0.7	0.9	1.0	"	3.0	2.9	
"	0.9	1.0	1.7	1.3	"	3.4	3.5	
"	1.5	1.5	1.7	1.5	"	4.2	4.4	

AVERAGED DATA

DEPTH	PENETROMETER (KPa)	HAND VANE (KPa)	
<b>I</b> dup cols 2-11 14	<b>0.50</b>	<b>6.3</b>	<b>3.9</b>
25	<b>0.85</b>	<b>8.1</b>	<b>5.1</b>
36	<b>1.30</b>	<b>10.6</b>	<b>5.9</b>
47	<b>1.80</b>	<b>15.3</b>	<b>6.9</b>
58	<b>2.50</b>	<b>19.4</b>	<b>8.6</b>
69	:	:	:
14	:	:	:
25	:	:	:
36	:	:	:
47	:	:	:
58	:	:	:
69	:	:	:

# SAMPLE DESCRIPTION SHEET

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SURFACE SAMPLE      Equipment Used: GS      Seabed Photo: Yes/No      Stored in: 1 Jars, — Bags.

MUDDY SAND, olive-green (5Y4/2.5), very fine to medium-grained, with c 2% coarse grains, trace granules; moderate to poorly-sorted; a-r; c 2% of grains coated in? limonite; c 1% shell sand including few erinoid spines; foraminifera rare to common; few tube worms, c 1% shell gravel

[MS]

CORE SAMPLE      Equipment Used: VE      Stored in: 3 Cut Cores, — Uncut Cores, 1 Jars, — Bags.

Depth (m)	Log	Description	Core Photo: Yes/No	Sub Samples	Geotechnical Log
		0-0.12M <u>SAND</u> a/c becoming gravelly towards base on (gradational contact)			
0.43		0.12-0.43M <u>SANDY GRAVEL</u> , olive-green and muddy to 0.28m (5Y4/2) then pale grey and clean to base, fine to coarse-grained sand; very poorly-sorted, a-r; with c 50% lithic and shell gravel - lithic gravel various lithologies up to c 4.5 cm diameter (c 50% of gravel fraction) and coarse shell including whole valves <i>Saxidomus elliptica</i> , <i>Macoma calcarata</i> , <i>Cercomphalus</i> sp, <i>Mya truncata</i> , <i>Cyprina islandica</i> , strongly calcareous on sharp contact			
2		0.43-2.72M <u>SANDY SLIGHTLY GRAVELLY CLAY</u> , reddish-brown (5YR4.5/3), very soft and slightly sandy only to 1m, then quickly becoming soft to firm and sandy; slightly calcareous only, structureless; sand fraction v. poorly-sorted, v. fine to coarse-grained, a-R; c 10% of grains coated in orange? limonite. c 2% granules and pebbles up to c 3cm diameter scattered throughout			
2.72					
3					
4					
5					
6					

T.D. 2.72M

○ shear strength      Δ compressive strength

